

Windows®. Life without Walls™.  
Fujitsu recommends Windows 7.

# Data Sheet Fujitsu LIFEBOOK E780 Notebook

The mobile top performer

## LIFEBOOK E780

The simple philosophy behind LIFEBOOK E780: only the best is good enough. State-of-the-art Intel® technology and an optional NVIDIA® graphics card ensure brilliant graphics and best performance. This 39.6cm (15.6-inch) notebook supports HD or HD+ display with LED backlight. With features like fingerprint and Fujitsu's Advanced Theft Protection (ATP) your notebook is secured from any data theft.



## More than enough performance

Maximum productivity even for the most demanding of applications thanks to state-of-the-art technology.

- Intel® Core™ i5 or i7 processor, Intel® vPro™ technology, optional high-performance NVIDIA® graphics card

## Ideal substitute for a desktop

Effective working even for the most demanding of users in all situations.

- 39.6 cm (15.6-inch) HD or HD+ display, modular bay, optional second 500GB hard disk drive

## Maximum connectivity

Be available wherever you are; wireless connectivity anytime anywhere, even if there is no hotspot nearby.

- Integrated DisplayPort, eSATA, serial port, optional integrated 3G/UMTS, WLAN and Bluetooth



## Maximum security

Protect your company data against unauthorized third-party access.

- Benefit from our end-to-end anti-theft concept with system and user protection, such as Computrace® enabled BIOS and Advanced Theft Protection, integrated SmartCard slot, optional fingerprint sensor, TPM module and SmartCase Logon+

## Great flexibility

The family concept offers standard accessory components for LIFEBOOK E780 and S710.

- Standardized port replicator, power supply unit, keyboard and modular bay for optical drive, second battery or second hard disk drive



# Components

<b>Processor</b>	Intel® Core™ i7-640M processor (2.80 GHz, 4 MB) Intel® Core™ i7-620M processor (2.66 GHz, 4 MB) Intel® Core™ i5-560M processor (2.66 GHz, 3 MB) Intel® Core™ i5-540M processor (2.53 GHz, 3 MB) Intel® Core™ i5-520M processor (2.4 GHz, 3 MB) Intel® Core™ i5-460M processor (2.53 GHz, 3 MB) * Intel® Core™ i3-380M processor (2.53 GHz, 3 MB) * Intel® Core™ i3-370M processor (2.40 GHz, 3 MB) * Intel® Celeron® processor P4500 (1.86 GHz, 2 MB)		
<b>Operating system</b>			
<b>Operating system</b>	Genuine Windows® 7 Professional 64-bit		
<b>Operating system compatible</b>	Genuine Windows® XP Professional		
<b>Operating system notes</b>	Driver support for Microsoft® Windows® XP Dependent on configuration Windows 7® versions are: Microsoft Office 2007 ready Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.	Driver support for Microsoft® Windows® XP Dependent on configuration Windows 7® versions are: Microsoft Office 2007 ready Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.	Driver support for Microsoft® Windows® XP Dependent on configuration Windows 7® versions are: Microsoft Office 2007 ready Microsoft Office 2010 preloaded. Purchase a Product Key to activate a full Microsoft Office 2010 suite.
<b>Memory modules</b>	2 GB (1 module(s) 2 GB) DDR3, 1066 MHz, PC3-8500, SO DIMM 4 GB (1 module(s) 4 GB) DDR3, 1333 MHz, PC3-10600, SO DIMM		
<b>Supported capacity RAM (min.)</b>	2 GB		
<b>Supported capacity RAM (max.)</b>	8 GB		
<b>Memory slots total</b>	2		
<b>Memory slot type</b>	DIMM (DDR3)		
<b>Memory notes</b>	DDR3 1333 MHz will be clocked with 1066 MHz in combination with Intel® dual Core processors.		
<b>Hard disk drives (internal)</b>	SSD SATA, 128 GB, 2.5-inch, S.M.A.R.T. SATA, 7200 rpm, 500 GB, 2.5-inch, S.M.A.R.T. SATA, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T. SATA, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T. SATA, 5400 rpm, 160 GB, 2.5-inch, S.M.A.R.T. FDE, 5400 rpm, 320 GB, 2.5-inch, S.M.A.R.T.		
<b>Hard disk notes</b>	ShockSensor for HDD shock protection One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. Accessible capacity may vary, also depending on used software		
<b>WLAN (optional)</b>	Atheros Minicard b/g/n Intel® Centrino® 6200 802.11 a/b/g/n		
<b>Wireless technologies</b>			
<b>Antennas</b>	2 Dual band WLAN antennas, 2 UMTS antenna		
<b>WLAN notes</b>	Import and usage according to country-specific regulations.		
<b>3G/UMTS (optional)</b>	Sierra Wireless Gobi 2000 (downlink 7.2 Mbit/s, uplink 5.76 Mbit/s)		
<b>Bluetooth (optional)</b>	Bluetooth 2.1		

<b>Display</b>	39.6 cm (15.6-inch), LED backlight, (HD+), Anti-glare display, magnesium, 1600 x 900 pixel, 300:1, 220 cd/m <sup>2</sup>		
	39.6 cm (15.6-inch), LED backlight, (HD), Anti-glare display, magnesium, 1366 x 768 pixel, 400:1, 220 cd/m <sup>2</sup>		
	39.6 cm (15.6-inch), LED backlight, (HD), Anti-glare display, compound, 1366 x 768 pixel, 400:1, 220 cd/m <sup>2</sup>		
<b>Modular bay options</b>	2nd battery		
	2nd hard disk drive		
<b>Modular bay options</b>	DVD Super Multi		
	Weight saver		
<b>Base unit</b>	LIFEBOOK E780 Intel® graphics	LIFEBOOK E780 Intel graphics	LIFEBOOK E780 NVIDIA® graphics
<b>General system information</b>			
<b>Chipset</b>	Intel® QM57		
<b>Chipset notes</b>	supports iAMT 6.0, vPro requires Core i5-5xx / i7 processor, Intel W-LAN & TPM module		
<b>BIOS features</b>	BIOS based on Phoenix SecureCore		
<b>Graphics</b>			
<b>TFT resolution (DisplayPort)</b>	up to 2560 x 1600	up to 2560 x 1600	
<b>TFT resolution (VGA)</b>	up to 1920 x 1200	up to 1920 x 1200	
<b>TFT resolution (DVI on Port Replicator)</b>	up to 1920 x 1200	up to 1920 x 1200	
<b>Graphics brand name</b>	Intel® HD Graphics	NVIDIA® GeForce® GT 330M	
<b>Graphics features</b>	DualView	DualView	
<b>Graphics notes</b>	Shared memory depending on main memory size and operating system		
<b>Dedicated video memory</b>		1 GB (DDR3 VRAM, 800 MHz)	
<b>Shared video memory</b>	up to 1695 MB		
<b>Interfaces</b>			
<b>Memory card slots</b>	1 (SD/MS/MSPro)		
<b>ExpressCard slots</b>	1 (34mm and 54mm supported)		
<b>PC Card slot (Type I/II)</b>	1		
<b>SmartCard slot</b>	1		
<b>SIM card slot</b>	1 (usable only with 3G/UMTS)		
<b>Modem (RJ-11)</b>	1 (optional)		
<b>eSATA</b>	1		
<b>USB 2.0 total</b>	4		
<b>FireWire (IEEE1394)</b>	1		
<b>Serial (RS-232)</b>	1		
<b>VGA</b>	1		
<b>DisplayPort</b>	1		
<b>Ethernet (RJ-45)</b>	1		
<b>DC-in</b>	1		
<b>Audio: line-in / microphone</b>	1		
<b>Audio: line-out / headphone</b>	1		
<b>Internal microphones</b>	2 digital array microphones		
<b>Docking connector for Port Replicator</b>	1		
<b>Kensington Lock support</b>	2		
<b>Wired communication</b>			
<b>Modem type</b>	Optional: 56 K V.92 modem MDC1.5		
<b>LAN</b>	10/100/1000 MBit/s Intel® 82577 LM		

**Keyboard and pointing devices**

Spill-resistant keyboard		
Number of keyboard keys: 85, Keyboard pitch: 19 mm, Keyboard stroke: 2.7 mm		
EcoButton	EcoButton	EcoButton
Fingerprint sensor option (with scroll function instead of scroll button)	Fingerprint sensor	Fingerprint sensor
LockWorkstation button	LockWorkstation button	LockWorkstation button
MobilityCenter button	MobilityCenter button	MobilityCenter button
Second set of mouse buttons	Second set of mouse buttons	Second set of mouse buttons
TouchStick (optional)	TouchStick (optional)	TouchStick (optional)
Touchpad with two mouse buttons and one scroll button	Touchpad with two mouse buttons and one scroll button	Touchpad with two mouse buttons and scroll via fingerprint sensor

**Multimedia**

Audio type	On board
Audio codec	Realtek ALC269
Audio features	Stereo speakers, 2 digital array microphones
Camera	Optional: Built-in webcam, 1.3 megapixel, VGA camera

**Power supply**

AC adapter	19 V / 80 W (4.22 A)	19 V / 100 W (5.27 A)
Rated voltage range	100 V - 240 V (AC Input)	
Rated frequency range	50 Hz - 60 Hz	
1st battery	Li-Ion battery 8-cell, 5800 mAh, 83 Wh Li-Ion battery 6-cell, 5200 mAh, 56 Wh	
2nd battery (optional)	Li-Ion battery 3-cell, 3800 mAh, 41 Wh	
Battery features	Rapid charge with 5200 mAh batteries	
Benchmark	Mobile Mark 2007 (readers mode – e.g. surfing the internet, writing E-mails, viewing documents)	
Runtime 1st battery	up to 12 h	up to 5 h
Runtime 1st + 2nd battery	up to 18 h	up to 8 h
Battery charging time	approximately 2:30 for 5,200mAh 1st battery, appr. 4:00 for 5,800mAh 1st battery	
Battery notes	Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.	

**Power consumption**

Link to Energy White Paper	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=6a1ccce7-cb9f-46c2-979f-7b8ea5074bf8">http://docs.ts.fujitsu.com/dl.aspx?id=6a1ccce7-cb9f-46c2-979f-7b8ea5074bf8</a>
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**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	372 x 255 x 36 mm
Weight	2.7 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	5 - 35°C

**Operating relative humidity**

Operating relative humidity	20 - 85 % (running)
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**Additional Software**

Additional software (preinstalled)	Adobe Acrobat Reader Application Panel Display Manager ShockSensor Utility Power Saving Utility Wireless Selector Utility EasyGuide online user documentation Nero Essentials S (burning software) Norton Internet Security (incl. Firewall) on Drivers & Utilities DVD for Microsoft Windows XP Toshiba Stack 4.x (not available for Windows® 7 operating systems)
Additional software (optional)	Drivers & Utilities DVD (DUDVD) UMTS connection manager (optional with UMTS) SmartCase Logon+

**Manageability**

<b>Manageability features</b>	DeskUpdate Driver management iAMT 6.0 Intel® vPro™ technology
<b>Manageability type</b>	DeskView 10.x client management including:
<b>DeskView features</b>	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
<b>Supported standards</b>	WMI PXE BootP (made4you)
<b>Manageability link</b>	<a href="http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html">http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html</a>

**Security**

<b>Physical security</b>	Kensington Lock support
<b>System security</b>	Advanced Theft Protection Computrace® enabled BIOS Optional: Trusted platform module (TPM 1.2) Norton Internet Security (incl. Firewall) 90 days version
<b>User security</b>	Optional: Integrated fingerprint sensor Integrated SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password
	Integrated Fingerprint Sensor Integrated SmartCard slot Hard disk password SystemLock BIOS SmartCard security User and supervisor BIOS password

**Compliance**

<b>Europe</b>	CE CE! Nordic Swan
<b>Global</b>	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) WiFi certified ENERGY STAR® 5.0 EPEAT® Gold (dedicated regions)
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

**Portreplicator interfaces (optional)**

	Port replicator/AC adapter/GB-cable kit	Port replicator/AC adapter/EU-cable kit	
<b>DC-in</b>	1 (19V)	1 (19V)	1 (19V)
<b>Power on switch</b>	1	1	1
<b>Audio: headphone</b>	1	1	1
<b>Audio: microphone</b>	1	1	1
<b>USB 2.0 total</b>	4	4	4
<b>DisplayPort</b>	1 (up to 2560 x 1600)	1 (up to 2560 x 1600)	1 (up to 2560 x 1600)
<b>VGA</b>	1	1	1
<b>DVI</b>	1 (up to 1920 x 1200)	1 (up to 1920 x 1200)	1 (up to 1920 x 1200)
<b>Serial (RS-232)</b>	1	1	1
<b>Ethernet (RJ-45)</b>	1 (10/100/1000)	1 (10/100/1000)	1 (10/100/1000)
<b>Parallel</b>	1	1	1
<b>Kensington Lock support</b>	1	1	2

**Portreplicator interfaces (optional)**

eSATA	1	1	1
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**Warranty**

<b>Standard Warranty</b>	1 year (Intel GFX) / 2 years (NVIDIA GFX) - depending on configuration
<b>Service level</b>	Collect & Return Service / Bring-In Service (depending on country)
<b>Maintenance and Support Services - the perfect extension</b>	
<b>Recommended Service</b>	5x9, Response Time: Next Business Day (Intel GFX) or On-site Service (NVIDIA GFX)
<b>Spare Parts availability</b>	5 years
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>



## Recommended Accessories

LIFEBOOK bundle (Port rep\AC Adapter\EU-Cable Kit)		Flexibility, expandability, desktop replacement – to name just a few benefits of Fujitsu docking options.	Order Code: S26391-F516-L100
LIFEBOOK bundle (Port rep\AC Adapter\UK-Cable Kit)		Flexibility, expandability, desktop replacement – to name just a few benefits of Fujitsu docking options.	Order Code: S26391-F516-L200
2nd battery		With a second battery you can maximize the working time of your notebook and work wherever you want for a whole working day. Just put the 2nd battery into the modular bay and enjoy truly mobile working – free from the power socket!	Order Code: S26391-F440-L200
MicroSaver® Combination Notebook Lock		Protect your notebook-and the personal information you have stored-from theft. Lock it with this easy-to-use, keyless 4-wheel combination lock from Kensington, the leader in notebook security..	Order Code: S26361-F1650-L500
Privacy filter		Privacy filters help block the screen view from anyone viewing the computer from a side view. 3M's unique microlouver privacy technology allows persons directly in front of the computer to see on-screen data clearly. 3M offers the broadest line of computer filters available.	Order Code: S26391-F6097-L317
Prestige Case Midi		Zip-down case with cushioned Notebook compartment; separate second compartment for mobile accessories and documents; exterior compartment with workstation for mobile accessories; cushioned shoulder strap; trolley fastening strap on the back side For Tablet PC and Notebooks up to 370 x 295 x 50 mm	Order Code: S26391-F119-L60

Presenter IV Air



Do you often give presentations? Would you like to communicate proactively with your audience during your presentations? Step up to the plate and make use of your freedom of movement with the Presenter IV Air. Whether you're leafing through informative material, adjusting audio files or using the laser pointer to indicate special features, you have everything reliably under control with this presenter. Thanks to the 2D air mouse function you can even do away with the cable mouse and navigate through your files with ease.

Order Code:  
S26381-K440-L100

# More information

## Fujitsu platform solutions

In addition to Fujitsu LIFEBOOK E780, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

## Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

## Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

## Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu LIFEBOOK E780, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.

<http://ts.fujitsu.com/mobile>

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.

Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.

Please find further information at <http://www.fujitsu.com/global/about/environment/>



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